MARICOPA COUNTY INFLUENZA SUMMARY UPDATE
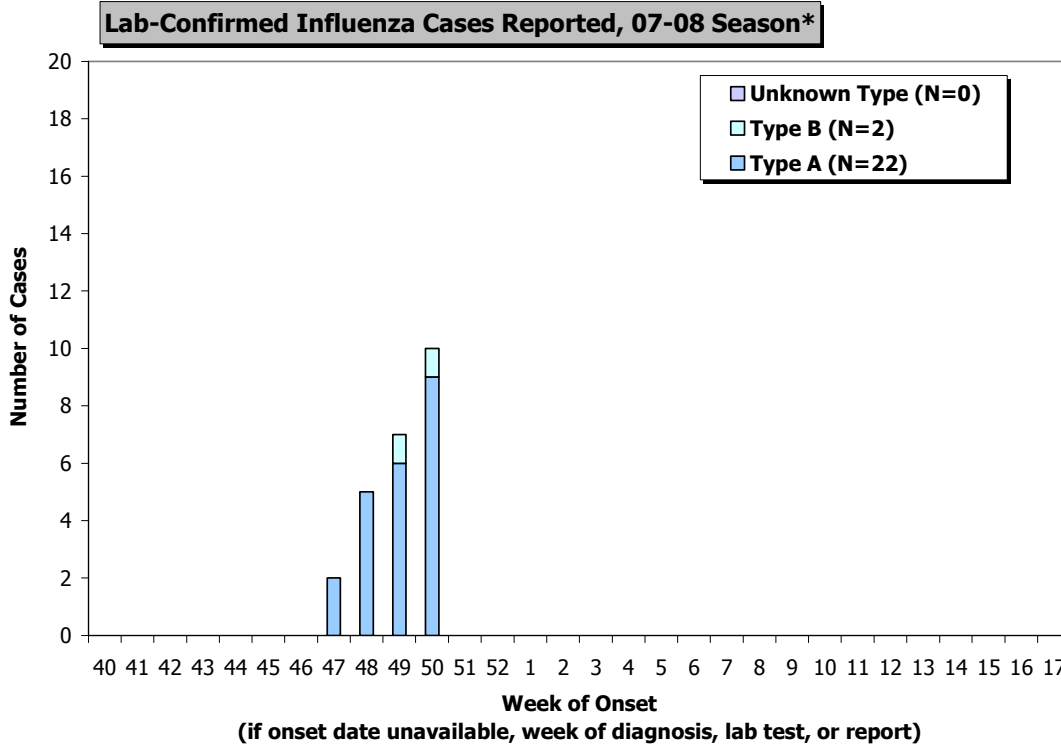### WEEK 50 (12/09/07-12/15/07)

- **Case Count: 24 lab-confirmed cases reported (through Week 50)**
- **Pneumonia & Influenza Mortality: 4.52% of all deaths were due to pneumonia or influenza (all of Maricopa County, Week 50)** (MCDPH Office of Vital Statistics)
- **Influenza-Like Illness:**
    - **Cigna Health Centers** (n=20)**: 0.22% of visits due to ILI.** Week 50 data is unavailable. (provisional data; subject to change as updated information becomes available)
    - **Hospital Emergency Departments** (n=11)**: 1.32% of visits due to ILI**
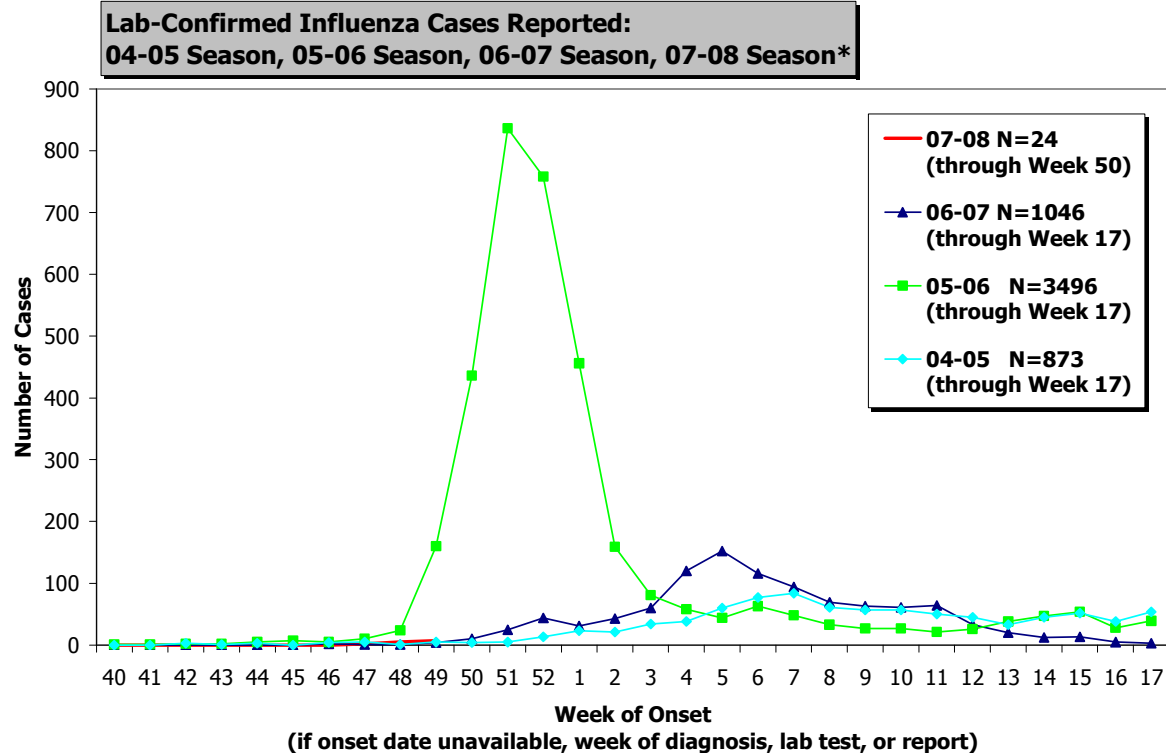- **Absenteeism, Elementary & Jr. High Schools** (n=23)**: 13.84% of students absent due to illness**

Lab Surveillance
At the time of this report, 24 lab-confirmed cases have been reported for the 07-08 season through Week 50.

Lab-Confirmed Influenza Cases Reported, 07-08 Season*

*Counts for the most recent weeks of the 07-08 season may increase as additional cases are reported.

Lab Surveillance

Lab-Confirmed Influenza Cases Reported:
04-05 Season, 05-06 Season, 06-07 Season, 07-08 Season*

Legend:
- 07-08 N=24 (through Week 50)
- 06-07 N=1046 (through Week 17)
- 05-06 N=3496 (through Week 17)
- 04-05 N=873 (through Week 17)

Y-axis: Number of Cases

X-axis: Week of Onset
(if onset date unavailable, week of diagnosis, lab test, or report)

*Counts for the most recent weeks of the 07-08 season may increase as additional cases are reported.

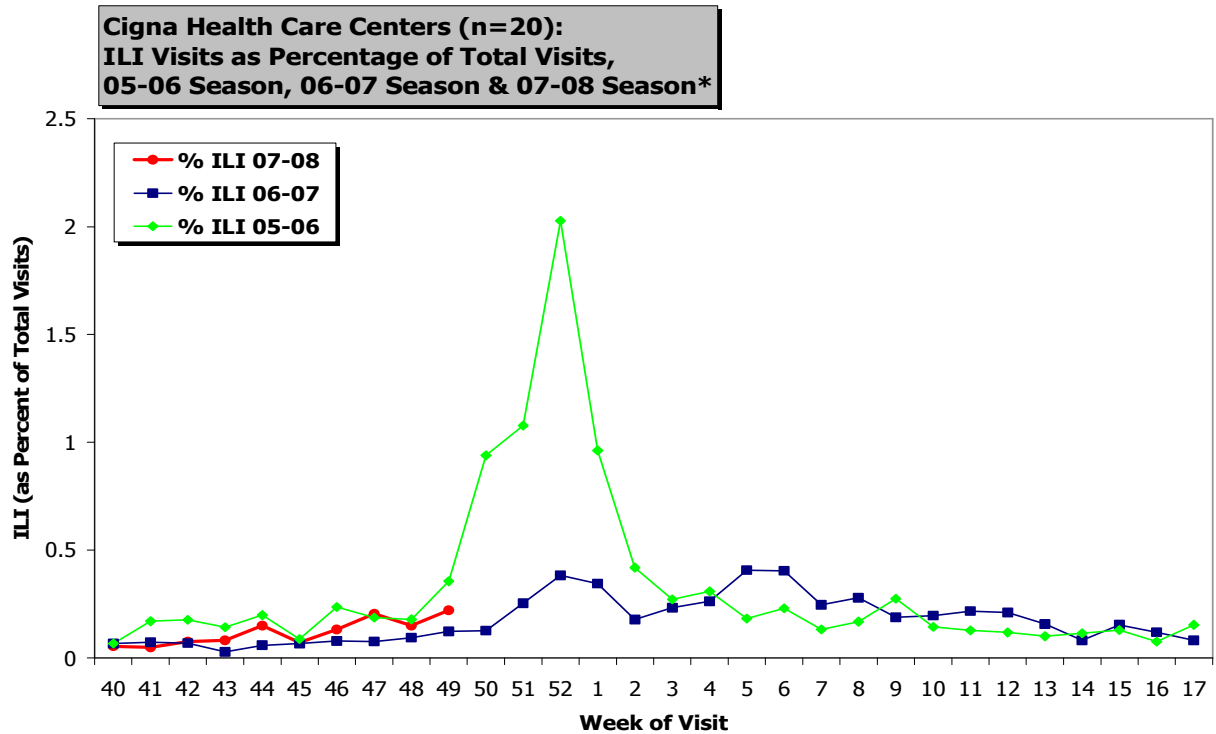## Pneumonia & Influenza Mortality Surveillance

For Week 50 (12/09/07-12/15/07), the MCDPH Office of Vital Statistics reported that of all deaths, the percentage due to pneumonia or influenza was 5.30% for the City of Phoenix, 4.12% for Maricopa County less the City of Phoenix, and 4.52% for all of Maricopa County.

Influenza-Like Illness (ILI)* Surveillance

*ILI case definition: fever (at least 100°F) AND cough and/or sore throat.
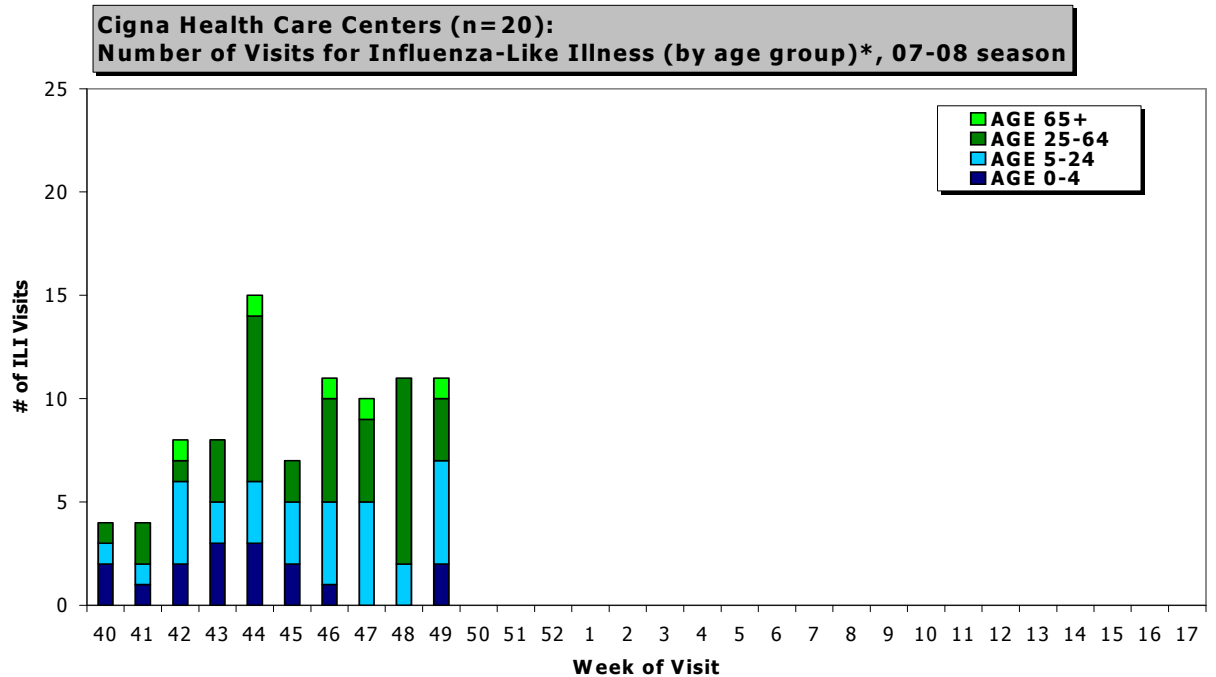
- During Week 49, 0.22% of patient visits to Cigna Health Care Centers (data from 20 centers, six departments) were due to ILI. During Week 49 of the two previous seasons, 0.12% (06-07) and 0.35% (05-06) of patient visits to Cigna Health Care Centers were due to ILI. (*Provisional data; may change in subsequent reports as updated information becomes available.)

- The percentage of ER visits for ILI (data from 11 hospitals) was 1.32% for Week 50. ER ILI percentages for 07-08 season ranged from 0.39% to 1.32%.

Influenza-Like Illness (ILI)* Surveillance

**Cigna Health Care Centers (n=20):
ILI Visits as Percentage of Total Visits,
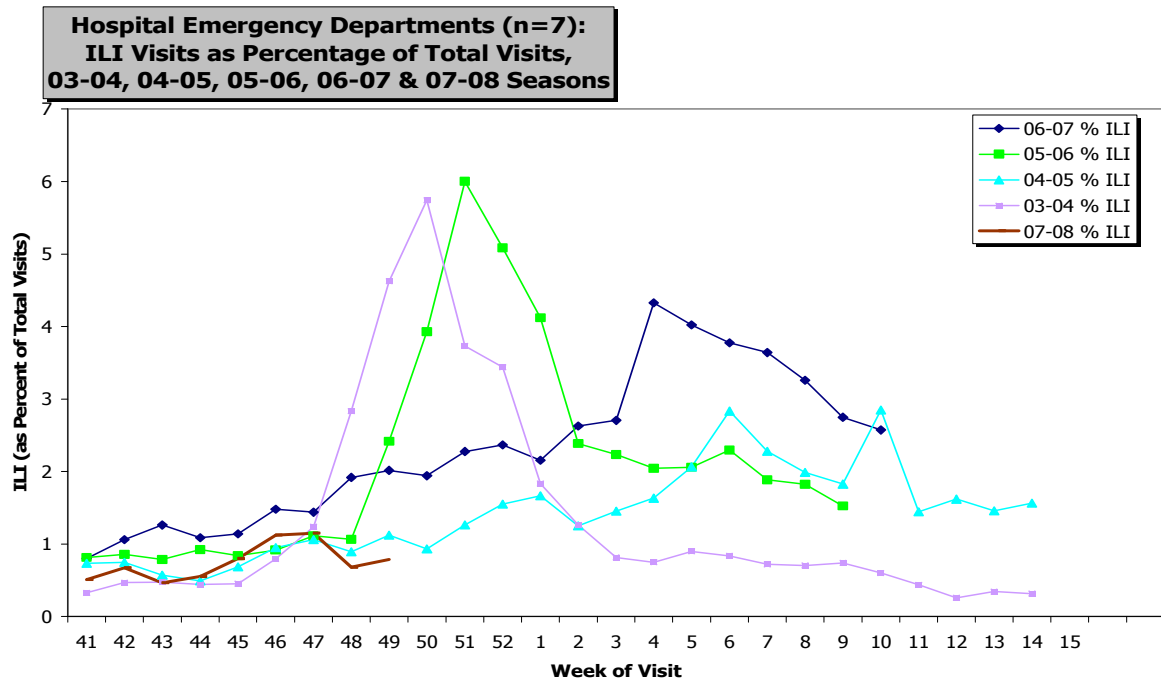05-06 Season, 06-07 Season & 07-08 Season***

*Data for Weeks 44-49 of the 07-08 season is provisional and may change in subsequent reports
as updated information becomes available.
**Data for Week 50 is unavailable for this report.

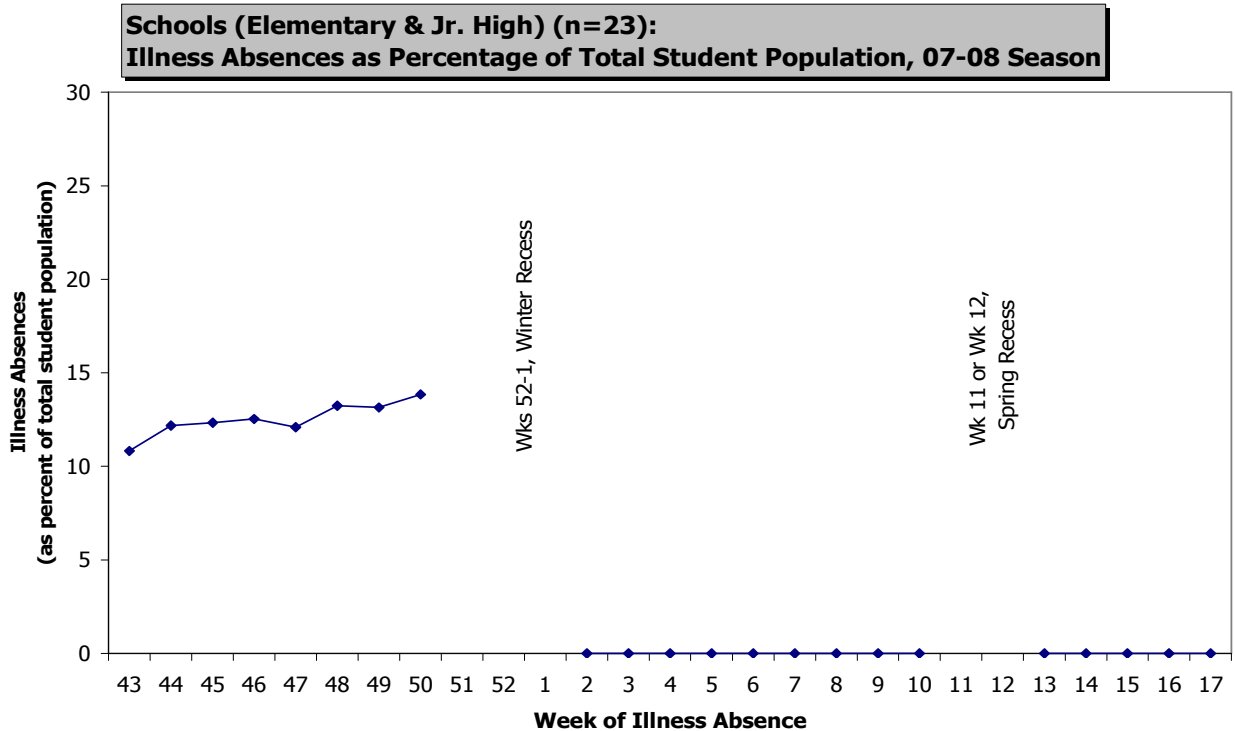**Cigna Health Care Centers (n=20):
Number of Visits for Influenza-Like Illness (by age group)*, 07-08 season**

*Data for Weeks 44-49 of the 07-08 season is provisional and may change in subsequent reports
as updated information becomes available.

Influenza-Like Illness (ILI)* Surveillance

Hospital Emergency Departments (n=7):
ILI Visits as Percentage of Total Visits,
03-04, 04-05, 05-06, 06-07 & 07-08 Seasons

Legend:
- 06-07 % ILI
- 05-06 % ILI
- 04-05 % ILI
- 03-04 % ILI
- 07-08 % ILI

Y-axis: ILI (as Percent of Total Visits)
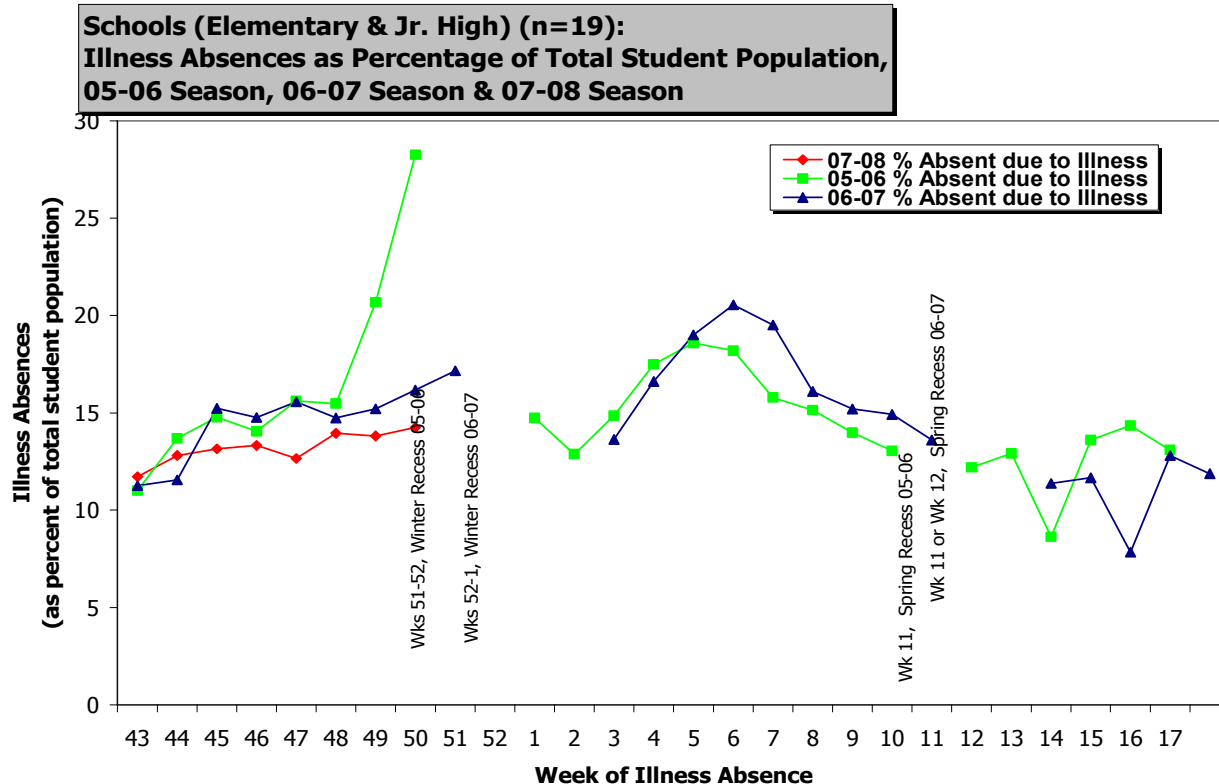X-axis: Week of Visit

Absenteeism (due to illness), Elementary and Jr. High Schools

- The percentage of students absent due to illness (data from 23 schools) was 13.84% for Week 50.

Schools (Elementary & Jr. High) (n=23):
Illness Absences as Percentage of Total Student Population, 07-08 Season

Y-axis: Illness Absences (as percent of total student population)
X-axis: Week of Illness Absence

Wks 52-1, Winter Recess

Wk 11 or Wk 12, Spring Recess

Absenteeism (due to illness), Elementary and Jr. High Schools

- For 19 of the 23 schools, data is available for multiple seasons. For these schools, the percentage of students absent due to illness was 14.3% for Week 50 of this season. For Week 50 of the two previous seasons, the absenteeism percentages were 17.2% (06-07) and 28.3% (05-06).

Schools (Elementary & Jr. High) (n=19): Illness Absences as Percentage of Total Student Population, 05-06 Season, 06-07 Season & 07-08 Season

Influenza Activity outside Maricopa County

Information on influenza activity outside Maricopa County is available at these sites:

- http://azdhs.gov/phs/oids/epi/flu/az_flu_surv.htm (Arizona Department of Health Services)
- http://www.cdc.gov/flu/weekly/fluactivity.htm (CDC)

Due to wide variability between national- and local-level data, it is not appropriate to apply any national baselines or thresholds to the information represented in this report.

Please email any questions about this report to: dereksteinke@mail.maricopa.gov .
Report generated: 12/21/07.

Influenza Surveillance Participants include:

<u>Cigna Health Care Centers</u>

<u>Hospital Emergency Departments & Infection Control Practitioners</u>

- Banner Baywood Medical Center
- Banner Desert Medical Center
- Banner Good Samaritan Medical Center
- Carl T. Hayden VA Medical Center
- Del E. Webb Hospital
- John C. Lincoln Hospital - Deer Valley
- John C. Lincoln Hospital - North Mountain
- Maricopa Medical Center
- Mayo Clinic

- Mesa General Hospital
- Phoenix Indian Medical Center
- Phoenix Memorial Hospital
- Scottsdale Healthcare Shea
- Scottsdale Healthcare Osborne
- St. Joseph's Hospital & Medical Center
- St. Luke's Hospital
- Tempe St. Luke's Hospital
- Wickenburg Community Hospital

<u>Schools (listed by school district)</u>

- Deer Valley Unified School District
  - Legend Springs Elementary
  - New River Elementary
  - Park Meadows Elementary
- Gilbert Public Schools
  - Gilbert Jr. High
  - Harris Elementary
  - Technology & Leadership Academy
- Glendale Elementary School District
  - Burton Elementary
  - Horizon Elementary
- Mesa Public Schools
  - Barbara Bush Elementary
  - Field Elementary
  - Irving Elementary
  - Lowell Elementary
  - Salk Elementary
  - Whittier Elementary
  - Shepherd Jr. High

  - Taylor Jr. High
- Morristown Elementary District
  - Morristown Elementary
- Paradise Valley Unified School District
  - Desert Cove Elementary
  - Desert Springs Elementary
  - North Ranch Elementary
- Tempe Elementary School District
  - Bustoz Elementary
  - Gilliland Middle
- Washington Elementary School District
  - Arroyo Elementary
  - Desert Foothills Jr. High
  - Lakeview Elementary
  - Ocotillo Elementary
  - Shaw Butte Elementary
  - Sunburst Elementary
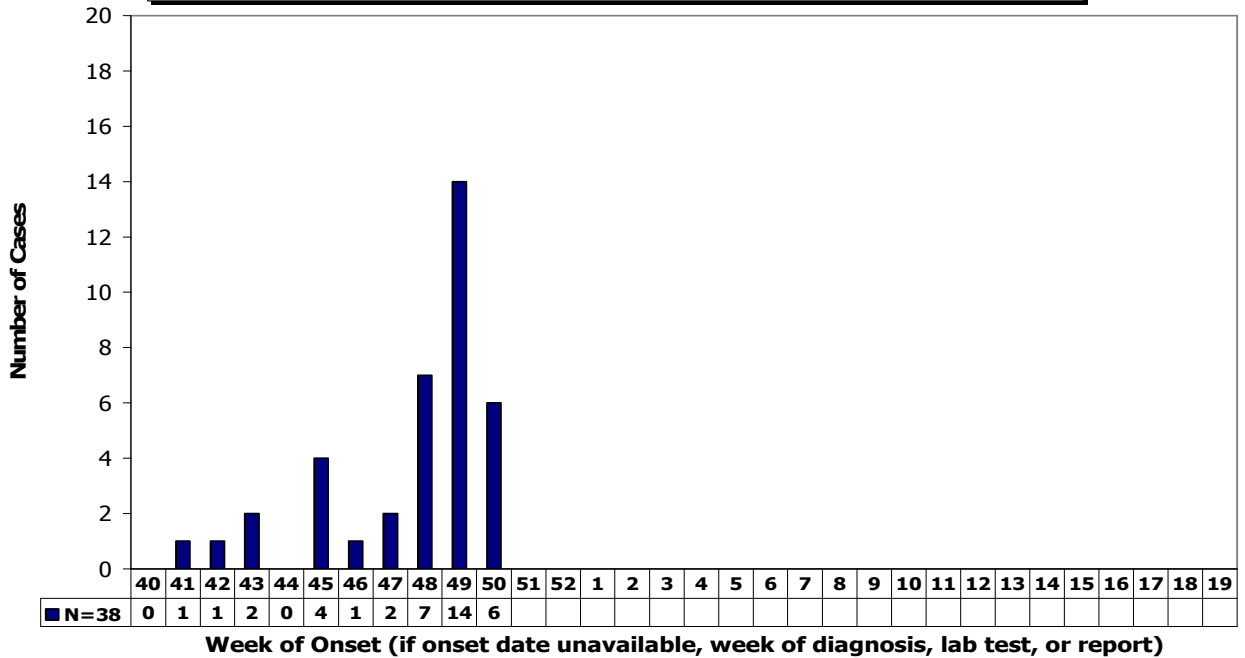 - Sweetwater Elementary

MARICOPA COUNTY RSV SUMMARY UPDATE
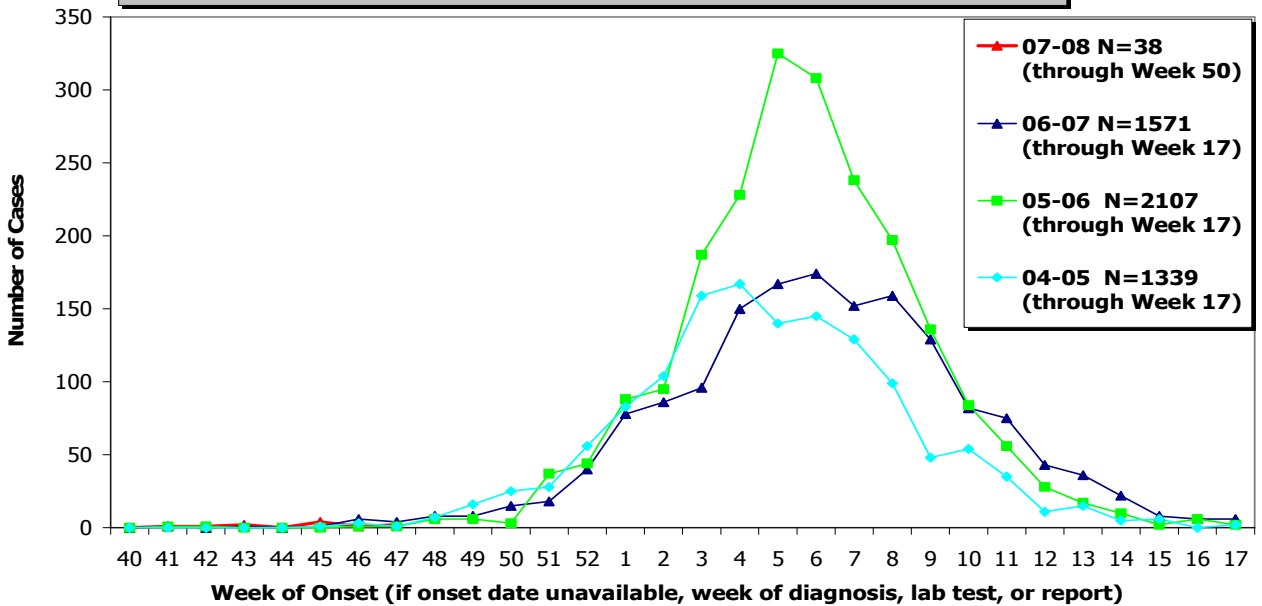## WEEK 50 (12/09/07-12/15/07)

Respiratory Syncytial Virus (RSV) Lab Surveillance

At the time of this report, 38 lab-confirmed cases of RSV have been reported through Week 50.

Lab-Confirmed Respiratory Syncytial Virus (RSV) Cases Reported, 07-08 Season*

N=38	40	41	42	43	44	45	46	47	48	49	50
	0	1	1	2	0	4	1	2	7	14	6

Week of Onset (if onset date unavailable, week of diagnosis, lab test, or report)

Lab-Confirmed Respiratory Syncytial Virus (RSV) Cases Reported: 04-05 Season, 05-06 Season, 06-07 Season, 07-08 Season*

Legend:
- 07-08 N=38 (through Week 50)
- 06-07 N=1571 (through Week 17)
- 05-06 N=2107 (through Week 17)
- 04-05 N=1339 (through Week 17)

Week of Onset (if onset date unavailable, week of diagnosis, lab test, or report)

*Counts for the most recent weeks of the 07-08 season may increase as additional cases are reported.